

ABSTRACT OF THE DISCLOSURE

An inexpensive gas diffusion layer arrangement for fuel cell excellent in gas permeability, water repellence, and also excellent in mechanical strength, allowing a continuous formation. The gas diffusion layer arrangement is used for at least one of gas diffusion layers of a fuel cell where a fuel electrode side catalyst layer and an air electrode side catalyst layer are disposed at both faces of an electrolyte film, and further a gas diffusion layer arrangement is disposed respectively on the outer surface of the fuel electrode side catalyst layer and air electrode side catalyst layer, wherein the gas diffusion layer is formed of a mesh sheet having a heat resistance and an acid resistance, and a mixture of electrically conductive powder and water repellent filler for filling voids of the mesh sheet.